PROJECT DESIGN INFORMATION MEMO - Bridge

Project Number _____

Project Name _____

Prepared By_____ Date: _____
Reviewed By_____ Date: _____
Last Update By_____ Date: _____

PROJECT SCHEDULE

TS&L/Data Sheet Submittal Date _____
PS&E Plan Submittal Date_____
Estimated Construction End Date _____

BRIDGE DESCRIPTION - Scope of Work, Location, and Limits:

- ***Describe existing bridge location, length, spans, skew, general description***
- ***Project Scope, Purpose and Need - Describe why the bridge needs replaced/repaired, describe alternative bridge designs to be considered. Also discuss de-icing options. Describe proposed bridge location, length, spans, skew, general description, approach slab description, abutment type, piling, etc.***
- ***Scope of Work – (Lighting above/below bridge, aesthetic enhancements, pedestrian needs on/under bridge, special bridge railing needed if bridge over railroad, etc.)***

Bridge Condition Rating:

Bridge Structural Rating:

DESIGN CRITERIA ***City of Lincoln; NDOR Bridge Design Policies and Procedures; AASHTO; and Nebraska Board of Public Roads Design Standards will govern the design of this project. See "Project Design Information Memo – Roadway" for the proposed roadway design controls for the project.***

Describe MSE wall vs. slope considerations at bridge abutments

Describe how drainage on/near bridge will be handled (over-flow from bridge, enclosed system with deck drains, abutment drains, etc.)

Describe potential design features that will deter birds from roosting if bridge is over parking, trails or sidewalks.

CONSTRUCTION PHASING/CLOSURE

Bridge to remain open during construction: ☐ Yes ☐ No

If No:

Possible Detour Route(s):

Describe geometric improvements necessary for detour routes, if applicable.

If Yes:

Describe how bridge will be phased during construction.

Minimum Lane Width on Bridge During Construction:

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Construction Zone Design Speed on Bridge:
Is Temporary Shoring Required: ☐ Yes ☐ No

Special access issues to be aware of: *Describe issues.*

Construction Phasing Decision Process: *Describe decision process of the phasing/not phasing of the bridge during construction. Considerations to highlight include safety of public (vehicular and pedestrians) and construction workers, impacts to adjacent and area businesses, construction duration, traffic impacts, cost, constructability issues, public input, and structure type.*

TYPE, SIZE, AND LOCATION INFORMATION

Attach TS&L Sheets (8-1/2" x 11") labeled Exhibit "*Bridge 1, Bridge 2, etc.*"

CLEARANCE REQUIREMENTS

Minimum Clearance over Roadway
Minimum Clearance over Pedestrian Way
Minimum Clearance over Railroad Tracks
Minimum Freeboard Elevation over Channel
Elevation of 100 year Water Surface Elevation (WSEL)

AESTHETIC REQUIREMENTS

Lighting On Deck: ☐ Decorative ☐ Standard
Lighting Under Deck: ☐ Decorative ☐ Standard
Other Aesthetic Features: *Describe aesthetic features (i.e. brick enhancements, mural designs, colored or stamped concrete, etc.) and whether or not they will serve a structural purpose.*

BRIDGE HYDRAULIC INFORMATION

Stream name _____
Drainage Area _____
Q_{100} _____
Freeboard Available _____
Freeboard Required _____
Elevation of 100 year Water Surface Elevation _____
Scour Depth
- Abutment _____
- Pier Scour _____
- Channel Scour _____

Hydraulic method used _____
Bridge low chord elevation _____

UTILITIES

Describe utilities that are currently on or are anticipated to be placed on the bridge.